Plant Cell, Tissue and Organ Culture (2005) 82: 369–371

CONTENTS Volume 82 2005

Volume 82 No. 1 July 2005

Micrografting and *ex vitro* grafting for somatic embryo rescue and plant recovery in avocado (*Persea americana*)
S.H.T. Raharjo, R.E. Litz 1–9

Evidence for non-proteinaceous inhibitor(s) of β-glucuronidase in wheat (*Triticum aestivum* L.) leaf and root tissues
A. Bahieldin, H.F. Eissa, H.T. Mahfouz, W.E. Dyer, M.A. Madkour, R. Qu 11–17

Intergeneric somatic hybridization and its application to crop genetic improvement
J. Liu, X. Xu, X. Deng 19–44

***Agrobacterium*-mediated transformation of Indica rice genotypes: an assessment of factors affecting the transformation efficiency**
Md. E. Hoque, J.W. Mansfield, M.H. Bennett 45–55

Optimization of plantain (*Musa* AAB) micropropagation by temporary immersion system
S. Roels, M. Escalona, I. Cejas, C. Noceda, R. Rodriguez, M.J. Canal, J. Sandoval, P. Debergh 57–66

The effect of hybrid vigor on callus induction and plant regeneration from mature embryo culture of barley (*Hordeum vulgare*)
M. Özgen, M.A. Birsin, S. Önde 67–74

Selection of ethionine-resistant variants with increased accumulation of methionine from embryogenic protoplasts of the forage legume *Astragalus adsurgens*
J.-P. Luo, X.-Q. Zha, W. Shi 75–81

Proliferation and germination of somatic embryos from embryogenic suspension cultures in *Phœnix dactylifera*
J. Zouine, M. El Bellaj, A. Meddich, J.-L. Verdeil, I. El Hadrami 83–92

Plant cell and biotechnology studies in *Linum usitatissimum* – a review
S. Millam, B. Obert, A. Pret'ová 93–103

Auxin pulses and a synergistic interaction between polyamines and ethylene inhibitors improve adventitious regeneration from apricot leaves and *Agrobacterium*-mediated transformation of leaf tissues
C. Petri, N. Alburquerque, O. Pérez-Tornero, L. Burgos 105–111

Major mutation-assisted plant breeding programs supported by FAO/IAEA
S.M. Jain 113–123

Volume 82 No. 2 August 2005

Expression of neutralizing epitope of porcine epidemic diarrhea virus in potato plants
Y.-S. Kim, T.-J. Kang, Y.-S. Jang, M.-S. Yang 125–130

Phosphate nutrition effects on growth, phosphate transporter transcript levels and physiology of alfalfa cells
S.F. Abu Qamar, T.G. Sors, S.M. Cunningham, B.C. Joern, J.J. Volenec **131–140**

A comparative histological study between normal and fasciated shoots of *Prunus avium* generated *in vitro*
P. Kitin, I. Iliev, A. Scaltsoyiannes, C. Nellas, A. Rubos, R. Funada **141–150**

Genetic engineering of drought-resistant tobacco plants by introducing the trehalose phosphorylase (TP) gene from *Pleurotus sajor-caju*
S.-E. Han, S.-R. Park, H.-B. Kwon, B.-Y. Yi, G.-B. Lee, M.-O. Byun **151–158**

Immature embryo rescue, culture and seedling development of acid citrus fruit derived from interploid hybridization
Z. Viloria, J.W. Grosser, B. Bracho **159–167**

Transformation of *Nicotiana benthamiana* with different BWYV (Beet western yellows virus) sequences to test for virus resistance
S. Valenzuela, G. Laucke, J. Schiemann **169–178**

Modeling available 2,4-dichlorophenoxyacetic acid in a tissue culture medium containing activated carbon
A. Toering, G.S. Pullman **179–188**

The effect of salt stress and abscisic acid on proline production, chlorophyll content and growth of *in vitro* propagated shoots of *Eucalyptus camaldulensis*
A.J. Woodward, I.J. Bennett **189–200**

Research notes

Factors influencing *Agrobacterium* mediated genetic transformation of kenaf
S.P. Herath, T. Suzuki, K. Hattori **201–206**

Tissue culture propagation of Mongolian cherry (*Prunus fruticosa*) and Nanking cherry (*Prunus tomentosa*)
K. Pruski, T. Astatkie, J. Nowak **207–211**

Augmentin® as an alternative antibiotic for growth suppression of *Agrobacterium* for tomato (*Lycopersicon esculentum*) transformation
S. Ieamkhang, O. Chatchawankanphanich **213–220**

Regeneration of a wide range of African cassava genotypes via shoot organogenesis from cotyledons of maturing somatic embryos and conformity of the field-established regenerants
B.B. Hankoua, S.Y.C. Ng, I. Fawole, J. Puonti-Kaerlas, M. Pillay, A.G.O. Dixon **221–231**

Volume 82 No. 3 September 2005

Isolated microspore culture of Canadian 6× triticale cultivars
F. Eudes, E. Amundsen **233–241**

Shoot regeneration, re-flowering and post flowering survival in bamboo inflorescence culture
C.-S. Lin, C.-C. Lin, W.-C. Chang **243–249**

Transgenic patchouli plants produced by *Agrobacterium*-mediated transformation
Y. Sugimura, N. Kadotani, Y. Ueda, K. Shima, S. Kitajima, T. Furusawa, M. Ikegami **251–257**

Storability and germination of sodium alginate encapsulated somatic embryos derived from the vegetative shoot apices of mature *Pinus patula* trees
R.B. Malabadi, J. van Staden **259–265**

***In vitro* plant regeneration of the heavy metal tolerant and hyperaccumulator *Arabidopsis halleri* (Brassicaceae)**
G.D. Corso, L. Borgato, A. Furini **267–270**

An improved system for the *in vitro* regeneration of *Thapsia garganica* via direct organogenesis – influence of auxins and cytokinins
N.P. Makunga, A.K. Jäger, J. van Staden **271–280**

An efficient protocol for plant regeneration from protoplasts of the moss *Atrichum undulatum P. Beauv in vitro*
L.-H. Li, X.-P. Wang, W.-R. Hou, X.-L. Liu, Y.-K. He **281–288**

Plant regeneration of mulberry (*Morus indica*) from mesophyll-derived protoplasts
P. Umate, K.V. Rao, K. Kiranmayee, T.J. Sree, A. Sadanandam **289–293**

Raised level of cyclin dependent kinase A after prolonged suspension culture of *Nicotiana plumbaginifolia* is associated with more rapid growth and division, diminished cytoskeleton and lost capacity for regeneration: implications for instability of cultured plant cells
K. Zhang, P.C.L. John **295–308**

Plant regeneration via somatic embryogenesis from protoplasts of six explants in Coker 201 (*Gossypium hirsutum*)
Y. Sun, X. Zhang, C. Huang, Y. Nie, X. Guo **309–315**

Marker assisted selection in crop plants
E. Francia, G. Tacconi, C. Crosatti, D. Barabaschi, D. Bulgarelli, E.D. Aglio, G. Valè **317–342**

Cytogenetic stability of *Centaurea ragusina* long-term culture
S. Radić, M. Prolić, M. Pavlica, B. Pevalek-Kozlina **343–348**

The heritable changes in metabolic profiles of plants regenerated in different types of *in vitro* culture
M. Filipecki, A. Wiśniewska, Z. Yin, S. Malepszy **349–356**

Research note

Variations in morphology and disease susceptibility of micropropagated rhubarb (*Rheum rhaponticum*) PC49, compared to conventional plants
Y. Zhao, B.W.W. Grout and P. Crisp **357–361**

Instructions for Authors **363–366**

Author Index **367–368**

Contents of volume 82 **369–371**